

What is claimed is:

1. An image data handling method for handling a low-energy image data set and a high-energy image data set used for generating an energy subtraction image data set, the image data handling method comprising the step of:

adding combination information to the low-energy image data set and the high-energy image data set for indicating that the low-energy image data set belongs to the same combination as the high-energy image data set.

2. An image data handling method as defined in Claim 1, further comprising the step of:

adding the combination information to the energy subtraction image data set generated from the low-energy image data set and the high-energy image data set, for indicating that the energy subtraction image data set belongs to the same combination as the low-energy image data set and the high-energy image data set.

3. An image data handling method for handling an energy subtraction image data set generated from a low-energy image data set and a high-energy image data set, the image data handling method comprising the step of:

adding image data set specification information to the energy subtraction image data set for specifying the low-energy image data set and the high-energy image data set used for generating the energy subtraction image data set.

4. An image data handling apparatus for handling a

low-energy image data set and a high-energy image data set used for generating an energy subtraction image data set, the image data handling apparatus comprising:

information addition means for adding combination information to the low-energy image data set and the high-energy image data set for indicating that the low-energy image data set belongs to the same combination as the high-energy image data set.

5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245 250 255 260 265 270 275 280 285 290 295 300 305 310 315 320 325 330 335 340 345 350 355 360 365 370 375 380 385 390 395 400 405 410 415 420 425 430 435 440 445 450 455 460 465 470 475 480 485 490 495 500 505 510 515 520 525 530 535 540 545 550 555 560 565 570 575 580 585 590 595 600 605 610 615 620 625 630 635 640 645 650 655 660 665 670 675 680 685 690 695 700 705 710 715 720 725 730 735 740 745 750 755 760 765 770 775 780 785 790 795 800 805 810 815 820 825 830 835 840 845 850 855 860 865 870 875 880 885 890 895 900 905 910 915 920 925 930 935 940 945 950 955 960 965 970 975 980 985 990 995 1000 1005 1010 1015 1020 1025 1030 1035 1040 1045 1050 1055 1060 1065 1070 1075 1080 1085 1090 1095 1100 1105 1110 1115 1120 1125 1130 1135 1140 1145 1150 1155 1160 1165 1170 1175 1180 1185 1190 1195 1200 1205 1210 1215 1220 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8. An image data handling apparatus as defined in Claim 4, wherein the information addition means adds the combination information as series information.

9. An image data handling apparatus as defined in Claim 7 or 8, further comprising:

display means for displaying a low-energy image based on the low-energy image data set, a high-energy image based on the high-energy image data set, and an energy subtraction image based on the energy subtraction image data set; and

switching means for carrying out changeover display of the images on the display means.

10. An image data handling apparatus as defined in Claim 9, further comprising:

energy subtraction processing means for generating the energy subtraction image data set from the low-energy image data set and the high-energy image data set; and

subtraction parameter changing means for changing a value of a subtraction parameter used by the energy subtraction processing means for generating the energy subtraction image data set.

11. An image data handling apparatus as defined in Claim 9, further comprising:

image processing means for carrying out image processing on the image data sets representing the images; and

image processing parameter changing means for changing an image processing parameter used for carrying out the image

processing in the image processing means.

12. An image data handling apparatus for handling an energy subtraction image data set generated from a low-energy image data set and a high-energy image data set, the image data handling apparatus comprising:

information addition means for adding image data set specification information to the energy subtraction image data set for specifying the low-energy image data set and the high-energy image data set used for generating the energy subtraction image data set.